
From: Moreen, Ed
Sent: Friday, August 10, 2018 1:05 PM
To: 'Mark Hartmann'
Subject: RE: EPA Data
Attachments: Alta K171 BEMP Fall 2017 WQ Memo_022018.pdf; AppAA_BunkerHill_FinalCTPDischargeRqmtsTM_02-12-2015.pdf; AppW_BunkerHill_SpringRunoffReport.pdf; B08_AMEC - Ph 2_Original Proposal Vol 1.pdf; Draft OU 2 Groundwater Annual Data Summary Report for CY2014_04-30-2015.pdf

Good Morning Mark:

I think that David would find much valuable information from the Minewater RI/FS that was provided to you in June and references provided in my email on Wednesday, it included the current process flow diagram (proposed flow process diagram attached)) and would request that you provide that to him. I think he will find it very valuable. Air Quality data has not been collected for some time for the BH Site (almost 2 decades and has been archived) so that is not easily found, is there something specific that he is looking for?

Here are other items responsive to his request:

USGS monitors surface water for the site and I would refer David to a couple of reports:

- <https://pubs.er.usgs.gov/publication/ofr20181113>
- <https://pubs.usgs.gov/sir/2014/5204/>

Groundwater Data is available in various report but the attached is the most recent report for the Bunker Hill Box

- Alta K171...
- Draft Ou2 Groundwater....

We don't have a nice tidy report of BHM data or CTP effluent data summarized in a report but look at AppW BH Spring Runoff Report... for a summary over runoff conditions (attached). We will have to figure out a way to transfer that data to David. He may be interested in the TRI reports that are generated annually found at:
<https://www3.epa.gov/enviro/facts/tri/ef-facilities/#/Chemical/83837SPFND1005M>

Discharge Requirements per as per the Contract with Wood – App AA BH Final CTP Discharge Rqmnts... (attached)

Would you mind sharing with me the status of Hummingbird and clarify if David and John are each representing Hummingbird or if they are representing different investors?

Have a good weekend,

Ed

From: Mark Hartmann [mailto:mhartmann@bunkerhillmining.com]
Sent: Friday, August 10, 2018 8:23 AM
To: Moreen, Ed
Subject: Fwd: EPA Data

Good morning Ed

The following email is another request for information from David at Hummingbird. Hopefully the information is easy to find.

Have a great day
Mark

----- Forwarded message -----

From: **David Hebditch** <David@hummingbirdresources.co.uk>

Date: Fri, Aug 10, 2018 at 6:25 AM

Subject: Re: EPA Data

To: Mark Hartmann <mhartmann@bunkerhillmining.com>, John Ryan <silver4262@yahoo.com>

Hi Mark,

Would it be possible to request EPA to provide the quality monitoring data for the following:

- inflows to the CTP (i.e. a characterisation of the AMD over time so not just an average ideally showing the full range one would expect)
- outflows from the CTP (i.e. a characterisation of the discharge quality again showing the full range one would expect)
- quality data from monitoring stations around the bunker hill mine and also downstream (ground and surface) water of the CTP/CIA
- any air / dust quality monitoring data that EPA have been collecting for the superfund site in order to establish if baseline data is available.

There maybe some monthly / annual reports available that include this data which might be preferable for this stage of evaluation. I believe that Ed Moreen indicated that most of this data was available.

Secondly could we get the process flow sheet for the CTP expansion (Charles indicated this was available). In addition, a description / overview of the works to be done in the upgrade? And also the expected water quality discharge from the upgraded CTP? Again there may be a design / scope of works summary report that provides this information.

Great meeting you and spending time together this week.

Kind regards

David

Get [Outlook for iOS](#)